



**State of Washington
DEPARTMENT OF FISH AND WILDLIFE**

Mailing Address: 600 Capitol Way N, Olympia, Washington 98501-1091 - (360) 902-2200

**ENVIRONMENTAL CHECKLIST
(WAC 197-11-960)**

A. BACKGROUND

- 1. Name of proposed project, if applicable:** Paterson-Columbia River Boat Access
- 2. Name of Applicant:** Washington Department of Fish and Wildlife
- 3. Address and phone number of applicant and contact person:**

Washington Dept of Fish and Wildlife Capitol Programs & Engineering Division 600 Capitol Way North Olympia, WA 98501-1091	Contact Person: W. Lauren Stalmaster Fish and Wildlife Biologist Telephone Number: (360) 902-8422 Fax Number: (360) 902-8367 E-Mail: stalmwls@dfw.wa.gov
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- 4. Date checklist prepared:** December 22, 2006
- 5. Agency requesting checklist:** Washington Department of Fish and Wildlife
- 6. Proposed timing or schedule (including phasing, if applicable):**

Earliest construction would be November 2007.
- 7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**

No.
- 8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal:** A cultural resources survey and report was prepared, dated November 2004. A Biological Evaluation report will be prepared in January 2007.
- 9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.** None known.
- 10. List any government approvals or permits that will be needed for your proposal, if known.**

Benton County Shoreline Substantial Development and Conditional Use Permits, WDFW Hydraulic Project Approval, Dept. of Ecology Section 401 Certification and Army Corps of Engineers Nationwide Permits.
- 11. Give brief, complete description of your proposal, including the proposed uses and the size of**

the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

The proposed project consists of re-locating and adding improvements to an existing boat access at Lake Umatilla, Columbia River. The proposed site is approximately 1083 feet (330 meters) west (downriver) of the current gravel launch. The proposed site has deeper water and will provide a steeper, more effective launching ramp. Improvements will include a concrete launch, re-grading the existing road, providing parking, a turnaround, and a vault toilet. All improvements will include accessible provisions that meet Americans with Disabilities (ADA) design standards (for project details see attached photo and drawings). Approximately 1000-feet of dirt road will be graveled. The parking lot and turn-around will require grading and graveling for 8 boat-trailer parking spaces, paving one trailer and one car space for ADA.

The actions include:

1. Decommission the existing gravel launch by blocking vehicle access with placement of rock barriers at entrance.
 2. Relocate the boat launch approximately 1000 feet downstream from existing site.
 3. Install a pre-cast concrete plank and cable concrete boat launch.
 4. Install ADA boat loading ramp.
 5. Add gravel to the access road.
 6. Clear, grade and gravel a turn-around area and parking.
 7. Install one vault toilet.
 8. Install interpretative signage and a kiosk.
 9. Replant cleared portions with native vegetation.
- 12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The proposed boat launch is located on the north side of the Columbia River in Paterson, Benton County, Washington. The legal description is SW ¼ Section 8, Township 17 North, Range 26 East, parcel number 1-0856-200-0003-00 (see attached photo and map).

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. **General description of the site (underline one):** flat, rolling, hilly, steep slopes, mountainous, other _____.
- b. **What is the steepest slope on the site (approximate percent slope)?** Less than 10%.

- c. **What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of the agricultural soils, specify them and note any prime farmland.**

The soil is BfE and QyE. BfE is Burbank rocky loamy fine sand, basalt substratum with 0-30% slopes. QyE is Quincy loamy sand, moderately shallow with 0-30% slopes.

- d. **Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.** No.
- e. **Describe the purpose, type and approximate quantities of any filling or grading proposed. Indicate source of fill.**

The purpose of the proposed work is to provide an improved boat access site. The launch structure will consist of a concrete planks (60 feet) and cable concrete (20 feet) for a total length of 80 feet.

- f. **Could erosion occur as a result of clearing, construction or use? If so generally describe.**

Not likely. There will be a minimum of new disturbed areas with nearly all construction occurring on existing gravel lots.

- g. **About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?**

- 1320 ft² of pavement for ADA parking
- 36,700 ft² for gravel access road, turn-around and parking
- 1104 ft² for the boat ramp
- 100 ft² for the vault toilet

- h. **Proposed measures to reduce or control erosion, or other impacts to the earth, if any:**

Any potential erosion will be prevented by following the guidelines listed and applying Best Management Practices from the WA Dept. of Ecology Stormwater Management Manual for Eastern Washington, 2004.

2. Air

- a. **What type of emissions to the air would result from the proposal (i.e., dust automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.**

Vehicle exhaust and dust from construction is expected. No long-term change in emissions is expected from the completed project.

- b. **Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.** No.

- c. **Proposed measures to reduce or control emissions or other impacts to air, if any:** None.

3. WATER

- a. **Surface**

- 1) **Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes ponds or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

The project site is located along the Columbia River (Lake Umatilla).

- 2) **Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

Almost all of this project will occur within 200 feet of the Columbia River. The proposed boat ramp consists of 60 feet length pre-cast concrete with cable concrete blocking that will extend an additional 32 feet beyond the end of the ramp. The total approximate disturbance that will occur below ordinary high water is 720 square feet.

- 3) **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

Rip-rap removed	9.0 CY
Aggregate placed	4.4 CY
Concrete planks	6.67 CY
Cable concrete	6.0 CY
Net volume below OHW	+7.07 CY

The source material will be existing rip-rap and native fill from grading on site and gravel from an approved gravel pit

- 4) **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.** No.
- 5) **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**
- Yes.
- 6) **Does the proposal involve any discharges of waste material to surface waters? If so, describe the type of waste and anticipated volume of discharge.** No.

b. Ground

- 1) **Will ground water be withdrawn, or will water be discharged to ground water? Give general description purpose, and approximate quantities, if known.** No.
- 2) **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

No waste material will be discharged.

c. **Water Runoff (including storm water):**

- 1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (including quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Storm water will be infiltrated through pervious surfaces.

- 2) **Could waste materials enter ground or surface waters? If so, generally describe.**
No.

d. **Proposed measures to reduce or control surface, ground and runoff water impacts, if any:**

None.

4. **PLANTS**

a. **Check or underline types of vegetation found on the site:**

☐ deciduous tree: alder, maple, aspen, other

☒ evergreen tree: fir, cedar, pine, other – black locust, Russian olive

☒ shrubs

☒ grass:

☐ pasture

☐ crop or grain

☐ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other

☐ water plants: waterlily, eelgrass, milfoil, other

☐ other types of vegetation

b. **What kind and amount of vegetation will be removed or altered?**

Less than an acre of vegetation will be altered. Vegetation present at the site includes sagebrush, bitterbrush and grasses. Portions of the site will be revegetated with sagebrush and grass.

c. **List threatened and endangered species [of plants] known to be on or near the site.**

The threatened plant *Ute ladies-tresses* was not found on site but is listed for Benton County as may be present near the project area.

d. **Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:** A re-vegetation plan will be included in the Biological Evaluation Report.

5. **ANIMALS**

a. **Underline any birds or animals, which have been observed on or near the site or are known to be on or near the site:**

Birds: hawk, heron, eagle, songbirds, other: waterfowl

Mammals: deer, bear, elk, beaver, other:

Fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.

Mid-Columbia River Spring-run Chinook Salmon, Mid-Columbia River Steelhead, Bull Trout, and Bald Eagle

c. Is the site part of a migration route? If so, explain.

Yes, it is part of a waterfowl migration route.

d. Proposed measures to preserve and enhance wildlife, if any: Wildlife habitat conservation measures will be included in the Biological Evaluation Report.

6. ENERGY AND NATURAL RESOURCES

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. N/A.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. No.

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: None.

7. ENVIRONMENTAL HEALTH

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill or hazardous waste that could occur as a result of this proposal. No.

1) Describe special emergency services that might be required. None required.

2) Proposed measures to reduce or control environmental health hazards, if any: None.

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? None.

2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Increased levels of noise during construction activities are expected from this project. Hours of increased noise levels will be 8am to 5pm. No change in noise level is expected from the completed project.

3) **Proposed measures to reduce or control noise impacts, if any:** None.

8. LAND AND SHORELINE USE

a. What is the current use of the site and adjacent properties?

The current use is an unimproved gravel boat launch.

b. Has the site been used for agriculture? If so describe? no

c. Describe any structures on the site. No structures at the proposed site. There is a pump station located at the current launch.

d. Will any structures be demolished? If so what? No.

e. What is the current zoning classification of the site? Benton County zoning is *Public Lands* and shoreline designation is *Rural Environment*.

f. What is the current comprehensive plan designation of the site?

Public Lands

g. If applicable, what is the current shoreline master program designation of the site?

Rural Environment.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

Yes, the Columbia River has been identified as wetland habitat in the WDFW PHS database.

i. Approximately how many people would reside or work in the completed project? None.

j. Approximately how many people would the completed project displace? None.

k. Proposed measures to avoid or reduce displacement impacts, if any: None.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

No change in land use is proposed.

9. HOUSING

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. None.

c. Proposed measures to reduce or control housing impacts, if any: None.

10. AESTHETICS

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? 10 feet.

- b. What views in the immediate vicinity would be altered or obstructed? None.
- c. Proposed measures to reduce or control aesthetic impacts, if any: None.

11. LIGHT AND GLARE

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? None.
- b. Could light or glare from the finished project be a safety hazard or interfere with views? No.
- c. What existing off-site sources of light or glare may affect your proposal? None.
- d. Proposed measures to reduce or control light and glare impacts, if any: None.

12. RECREATION

- a. What designated and informal recreational opportunities are in the immediate vicinity?
Swimming, fishing, hunting and boating.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
No.
- c. Proposed measures to reduce or control impacts on recreation, including recreational opportunities to be provided by the project or applicant, if any: This project will enhance recreational opportunities especially for anglers for warm water fish.

13. HISTORIC AND CULTURAL PRESERVATION

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe. Yes.
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. A cultural resources survey and report for the site describes the details.
- c. Proposed measures to reduce or control impacts, if any: Minimal clearing and grading will occur. Protocol detailed in the cultural resource survey report will be followed.

14. TRANSPORTATION

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

This site is served by an existing county road. The site access off of Kent Road is already established and will not be altered.
- b. Is site currently served by public transit? If no, what is the approximate distance to the nearest transit stop?

No, the nearest public transit site is in Prosser.
- c. How many parking spaces would the completed project have? How many would the

project eliminate?

The completed project will add two ADA parking spaces and 8 trailer parking spaces. It would not eliminate any parking spaces.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). No.
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. No.
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No additional vehicle trips are anticipated to result from this project.

- g. Proposed measures to reduce or control transportation impacts, if any: None.

15. PUBLIC SERVICES

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so generally describe. No.
- b. Proposed measures to reduce or control direct impacts on public services, if any: None.

16. UTILITIES

- a. Underline utilities currently available at the site: Electricity, Natural Gas, Water, Refuse Service, Telephone, Sanitary Sewer, Septic System, Other.
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

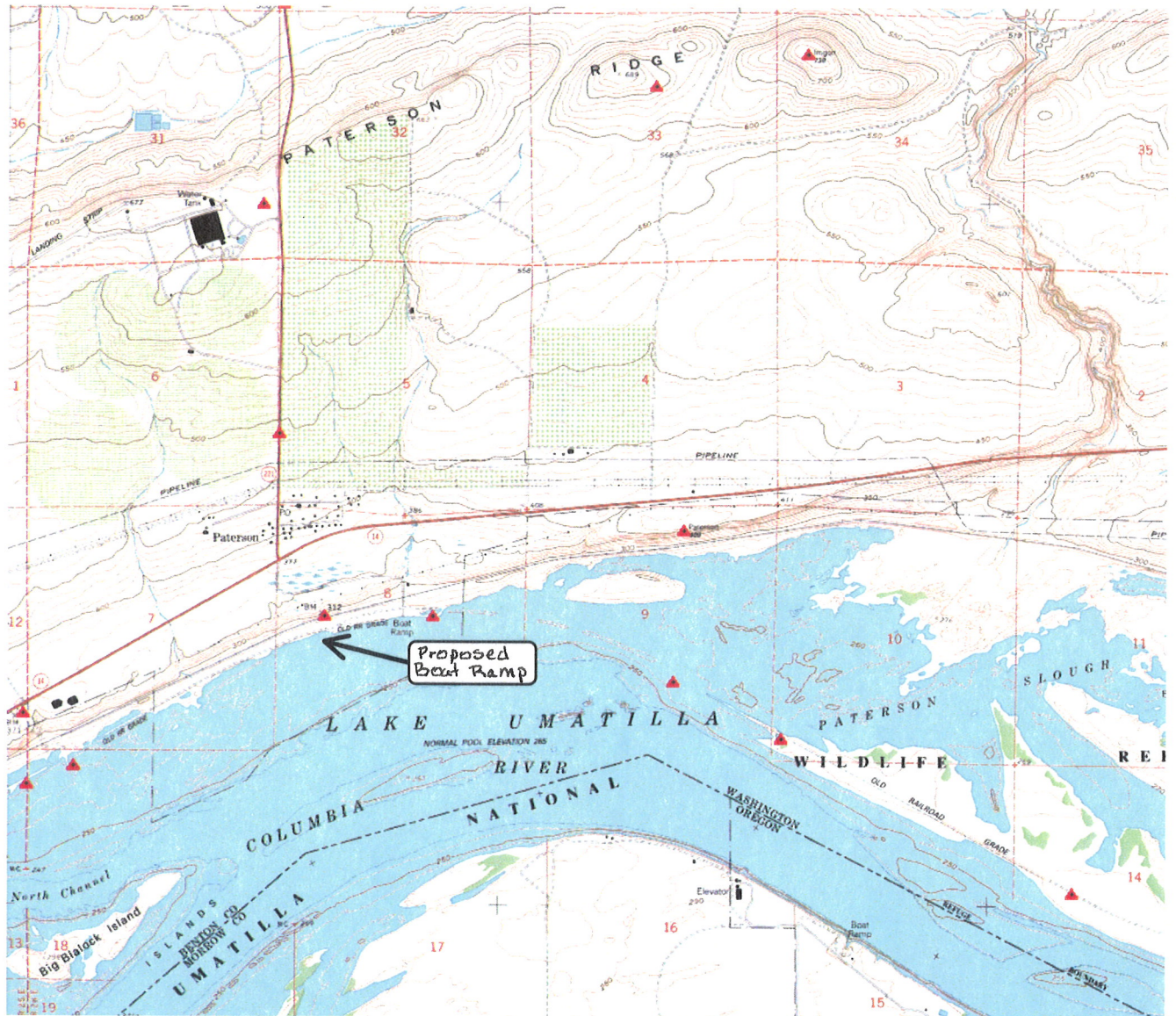
No utilities proposed.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

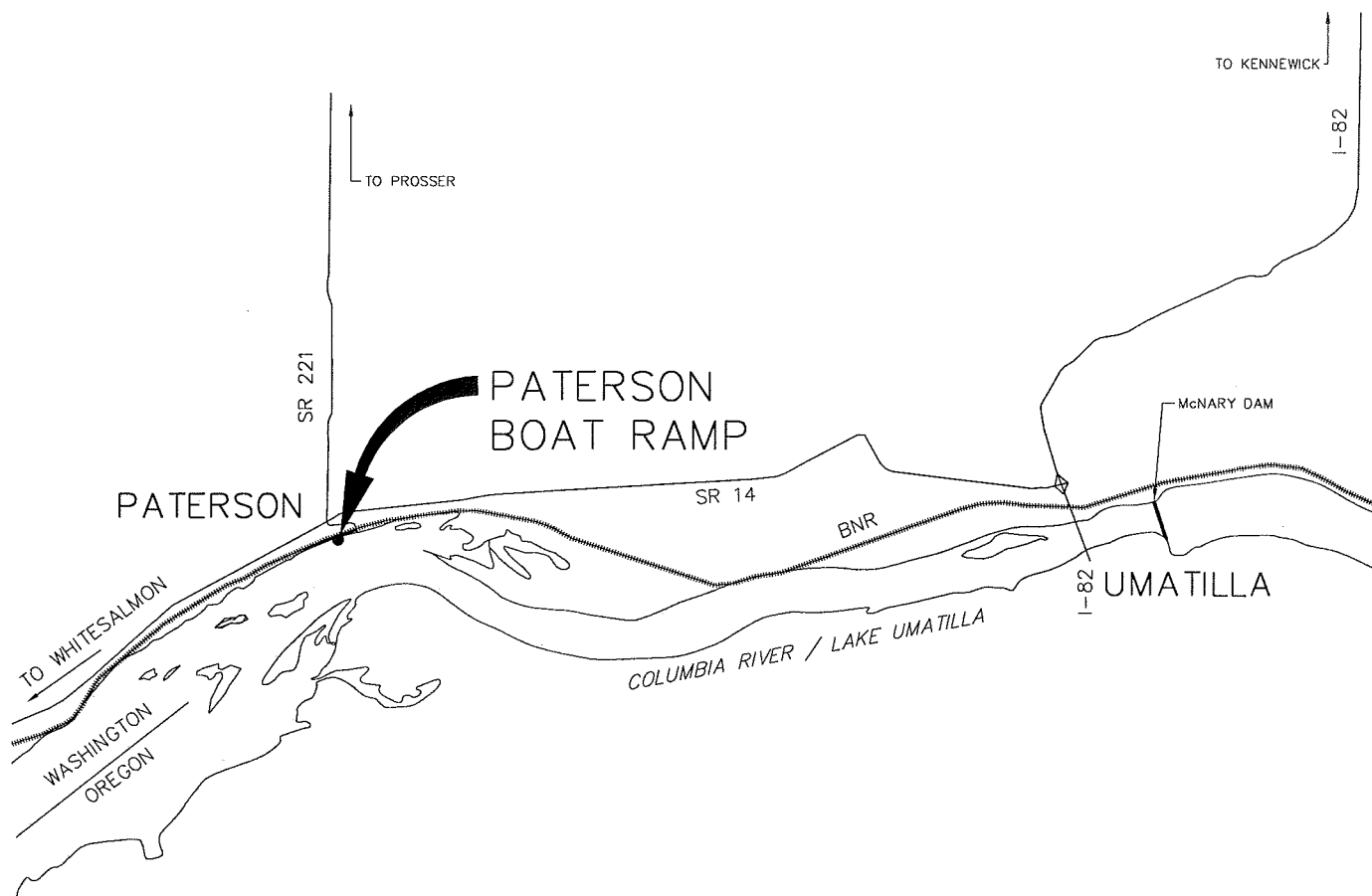
SIGNATURE: W. Lauren Hulmaster DATE SUBMITTED: 22-Dec-2006

Paterson – Columbia River Boat Access



PATERSON - COLUMBIA RIVER BOAT ACCESS

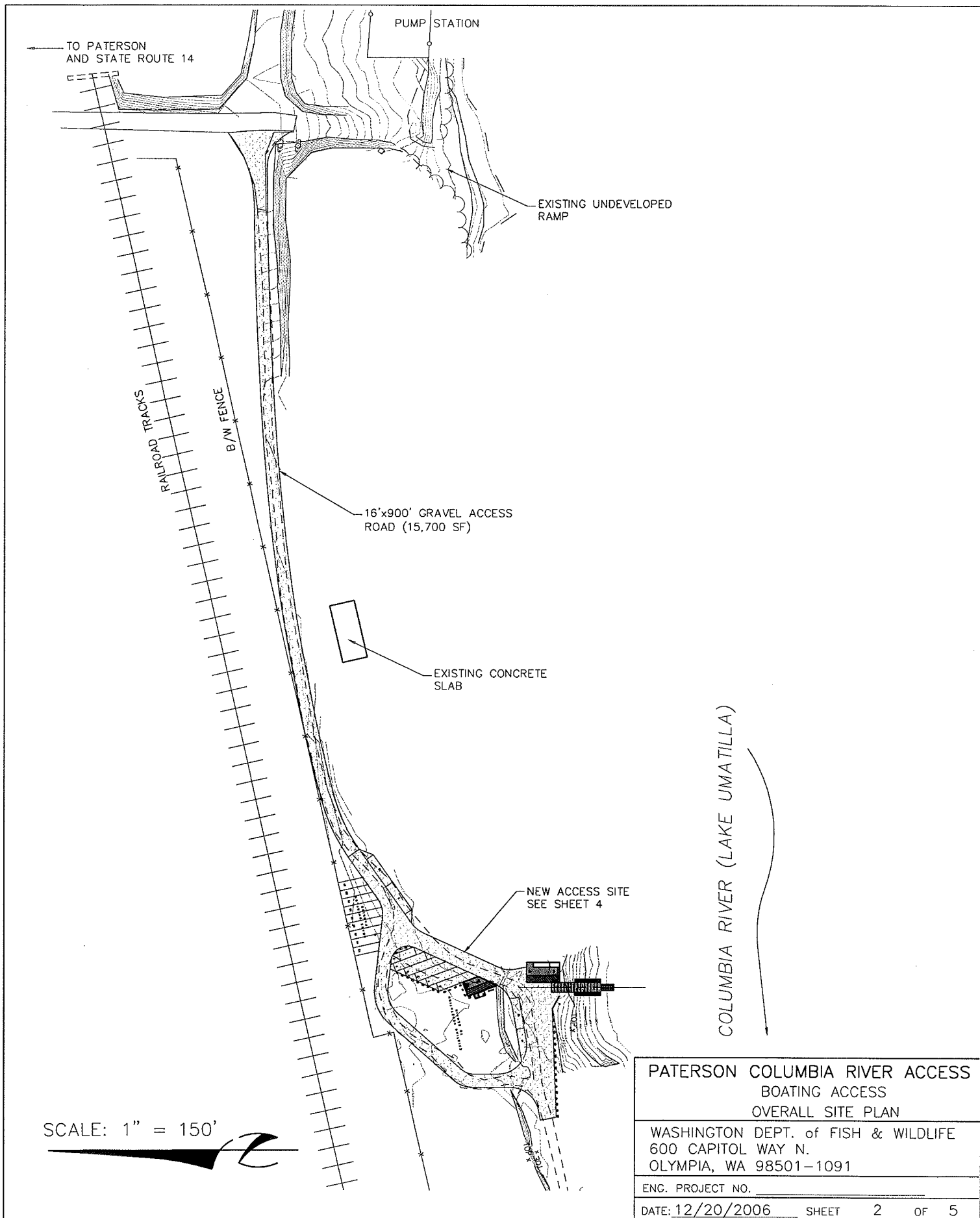




VICINITY MAP

SCALE: NONE

PURPOSE: BOAT ACCESS SITE DEVELOPMENT		PROPOSED: VACINITY MAP
DATUM: NAVD '88	SITE: PATERSON BOAT RAMP	IN: LAKE UMATILLA
LATITUDE: _____	ADDRESS: PATERSON, WA	NEAR: COLUMBIA RIVER
LONGITUDE: _____	WASHINGTON DEPT. of FISH & WILDLIFE	COUNTY OF: BENTON STATE: WA
ENG. PROJECT NO. _____	600 CAPITOL WAY N.	PORTION OF: SEC. 8, T. 5N, R. 26 E.
	OLYMPIA, WA 98501-1091	DATE: 12/20/2006 SHEET 1 OF 5



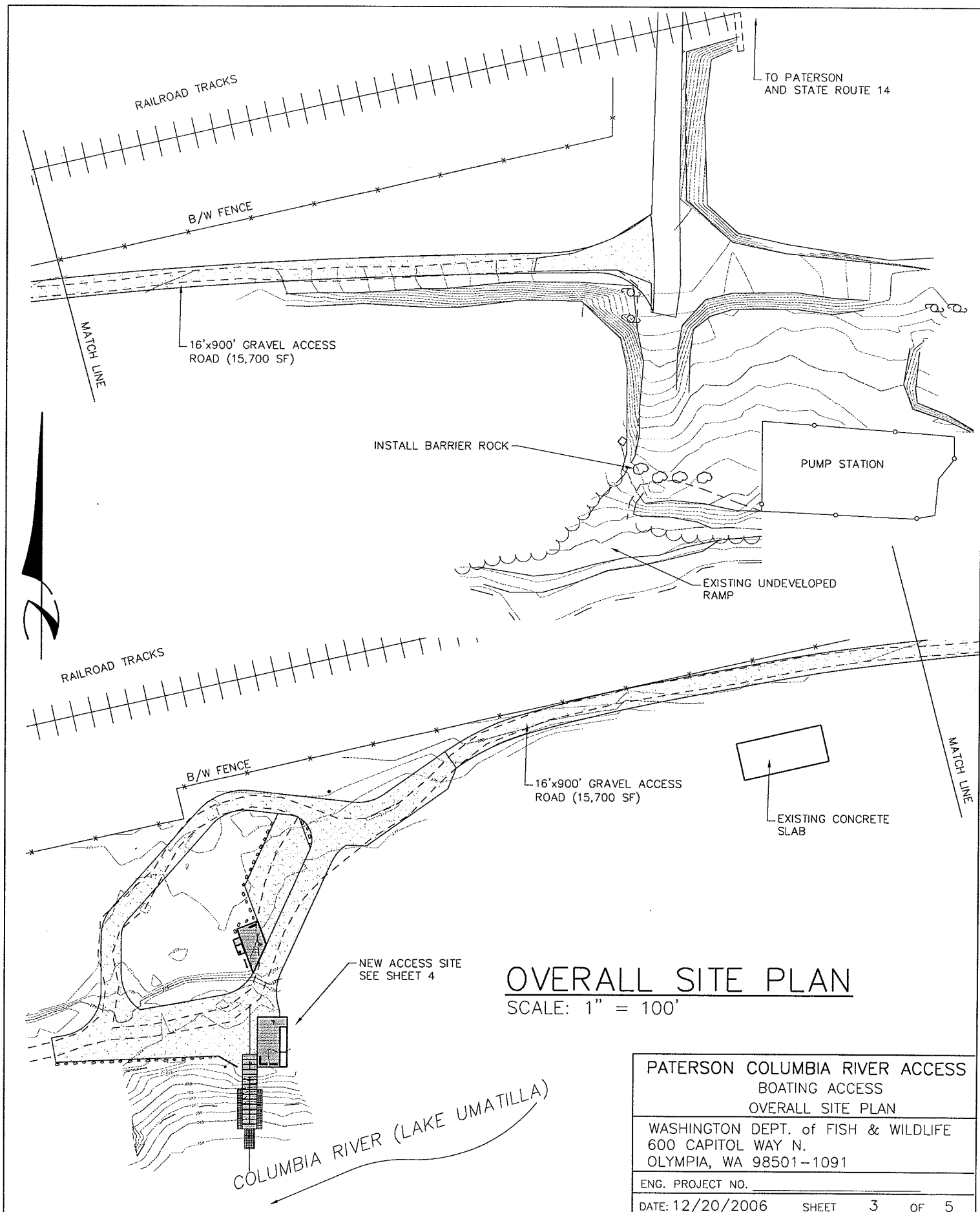
SCALE: 1" = 150'

PATERSON COLUMBIA RIVER ACCESS
BOATING ACCESS
OVERALL SITE PLAN

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

ENG. PROJECT NO. _____

DATE: 12/20/2006 SHEET 2 OF 5



CHISELED "X" IN EXPOSED BEDROCK
N: 9855.31
E: 9019.22
ELEV = 279.16'

RAILROAD TRACKS

TRAIL TO BE REVEGETATED
WITH NATIVE SAGEBRUSH

B/W FENCE

ONE WAY

GRASS OVERFLOW
PARKING

GRAVEL

GRAVEL PARKING AREA AND
TURN AROUND 21,000 SF

16'x900' GRAVEL ACCESS
ROAD (15,700 SF)

BARRIER ROCK, TYP.

EXISTING VEGETATION
TO REMAIN

PAVED PARKING
PAD (550 SF)

VAULT TOILET
(110' FROM OHW)

KIOSK

PAVED PARKING
PAD (770 SF)

HANDICAP
TRAILER
LOADING
RAMP

SILT FENCE

PRECAST CONCRETE
PLANK RAMP (12'x60')

(2) 4'x32' CABLE CONCRETE
SCOUR PROTECTION.
DUCKBILL ANCHOR IN PLACE

EXISTING
ARMORED
SLOPE

8'x16' CABLE CONCRETE MAT,
DUCKBILL ANCHOR IN PLACE

ORDINARY HIGH WATER
= ELEV. 268.0

EDGE OF WATER
(4/26/04)

COLUMBIA RIVER (LAKE UMATILLA)

PATERSON COLUMBIA RIVER ACCESS
BOATING ACCESS
SITE PLAN

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

ENG. PROJECT NO.

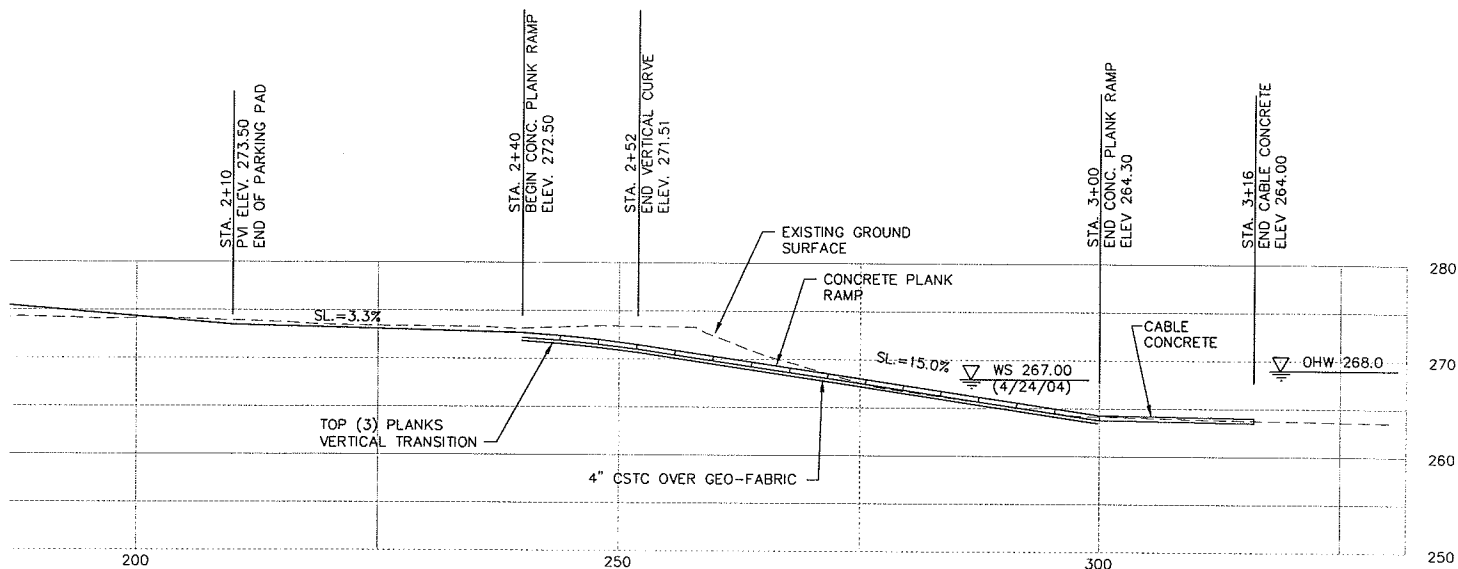
DATE: 12/20/2006 SHEET 4 OF 5

SITE PLAN

SCALE: 1" = 40'



NAVD 88



RAMP PROFILE

SCALE: 1" = 20'

PROJECT QUANTITIES

GRAVEL PARKING AREA AND ENTRANCE ROAD 36,700 S.F.
(4" CSTC 450 CY, 8" 2 1/2 CRUSHED 900 C.Y.)

ASPHALT PAVING 1320 S.F.
(10 C.Y.)

RAMP:

	ABOVE OHW	BELOW OHW	TOTAL
CONC. PLANKS (720 SF)	6.67 CY	6.67 CY	13.3 CY
CSTC (4")	4.4 CY	4.4 CY	8.8 CY
CABLE CONC. (384 SF)	1.1 CY	6.0 CY	7.1 CY
CUT	35.0 CY	9.0 CY	44.0 CY

PATERSON COLUMBIA RIVER ACCESS
BOATING ACCESS
RAMP PROFILE

WASHINGTON DEPT. of FISH & WILDLIFE
600 CAPITOL WAY N.
OLYMPIA, WA 98501-1091

ENG. PROJECT NO. _____

DATE: 12/20/2006 SHEET 5 OF 5